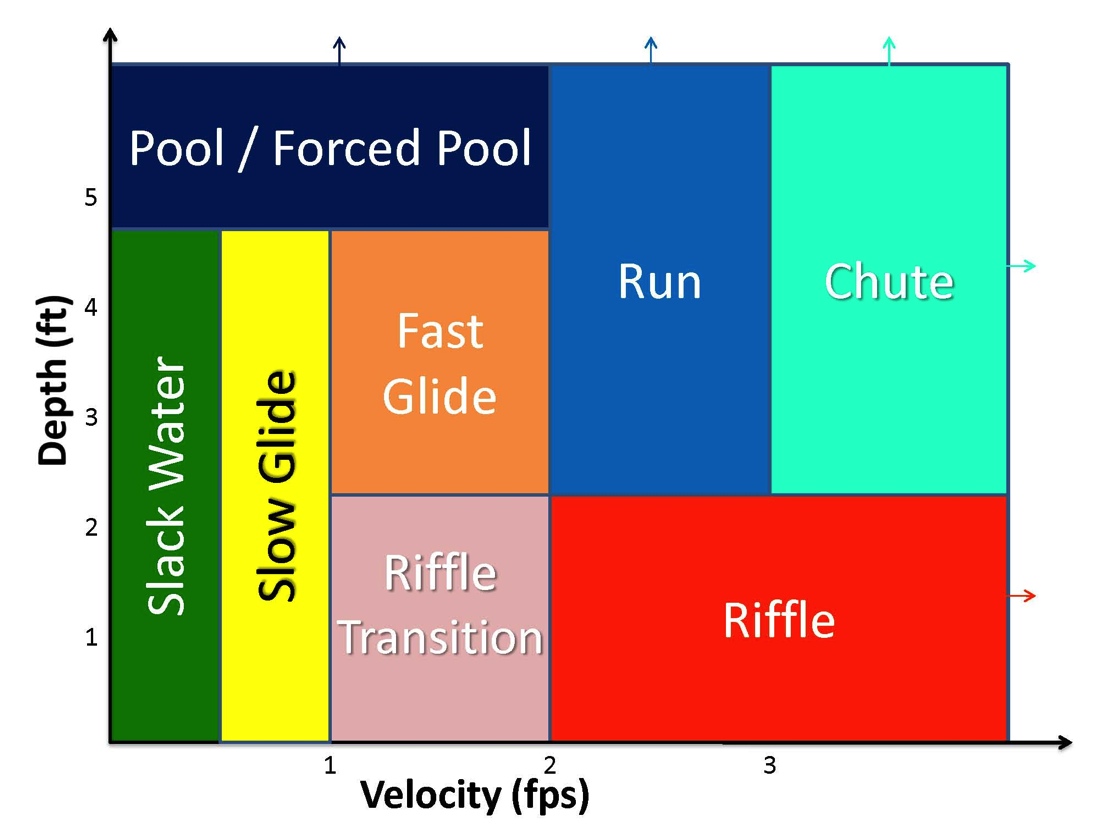
Below is the plot showing the MU classification scheme that goes with the tutorial.

The velocity thresholds are at 0.5, 1, 2, and 3 ft/s.

The depth thresholds are at 2.25 and 4.6 ft/s

Try to create the raster calculator “Con” statements for yourself



SPOILER ALERT: the raster calculator equations are revealed on the next page

Below are the Raster Calculator formulas to use to

|  |  |
| --- | --- |
|  | |
| **Morphologic Unit** | **GIS Calculator Statement** |
| Slackwater | Con([dep\_ras] > 0, Con([dep\_ras] <= 4.6, Con([vel\_ras] > 0, Con([vel\_ras] <= 0.5, 1)))) |
| Slow Glide | Con([dep\_ras] > 0, Con([dep\_ras] <= 4.6, Con([vel\_ras] > 0.5, Con([vel\_ras] <= 1, 2))) |
| Fast Glide | Con([dep\_ras] > 2.25, Con([dep\_ras] <= 4.6, Con([vel\_ras] > 1, Con([vel\_ras] <= 2, 3)))) |
| Riffle Transition | Con([dep\_ras] > 0, Con([dep\_ras] <= 2.25, Con([vel\_ras] > 1, Con([vel\_ras] <= 2, 4)))) |
| Riffle | Con([dep\_ras] > 0, Con([dep\_ras] <= 2.25, Con([vel\_ras] > 2, 5))) |
| Chute | Con([dep\_ras] > 2.25, Con([vel\_ras] > 3, 6)) |
| Run | Con([dep\_ras] > 2.25, Con([vel\_ras] > 2, Con([vel\_ras] <= 3, 7))) |
| Pool/Forced Pool | Con([dep\_ras] > 4.6, Con([vel\_ras] > 0, Con([vel\_ras] <= 2, 8))) |